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EDUCATION

University of Southern California

B.S. in Applied & Computational Mathematics, Minor in Computer Science

Los Angeles, CA

Graduation: May 2016

GPA: 3.3/4.0 Math/Computer Science GPA: 3.55/4.00 ACT: 34 (99th percentile) PSAT: 231 (99th percentile)

EXPERIENCE

PayPal – Software Engineer Intern

San Jose, CA

Summer 2015

PayPal is a payment software and solutions corporation, with \$8 billion in 2014 revenue. I worked on the Commerce Insights team in the Data Technology Division. I designed and implemented a mathematical algorithm for tracking deviations in PayPal merchant transactional conversion rates and an alert system to send notifications when statistical deviations are significant.

Porch.com – Data Analyst Intern

Seattle, WA

Summer 2014

Porch aims to connect people with relevant home contractors for renovation projects, while also providing users with data on home renovation projects in their area and around the nation. I used SQL and mathematics to analyze and query their robust data set and build an optimization system that guides allocation of user acquisition funds. I reported to the Director of Analytics.

WhitePages.com – Product Group Intern

Seattle, WA

Summer 2013

With 50M+ monthly users, WhitePages.com is the largest free provider of contact information on the Internet. I worked on designing a better performance metric analytic tool and on creating a more comprehensive competitive analysis strategy.

Zulily – Product Manager Intern

Seattle, WA

Summer 2012

Zulily is one of the world's most popular e-commerce flash-sales websites. I reported to the VP of Product and worked on the new events page redesign, which is used to show products from each brand that are for sale. Additionally, I worked on improving the unsubscribe functionality, and conducted site testing on the mobile site and the iOS application.

AWARDS

University of Southern California – Presidential Scholarship

The presidential scholarship is one of the most selective scholarships offered at the university.

It is a half-tuition scholarship offered solely on the basis of academic merit; it is offered to roughly 250 incoming freshman. "Applicants...achieve at the highest level...at the top of our applicant pool." – USC

University of Southern California – Resident Honors Program

The Resident Honors Program is a highly selective university honors program that accepts high school juniors who are some of the top academic performers in the nation. They leave high school a year early, skipping senior year, and enter the university as freshman.

College Board (United States of America) – 2012 National Merit Finalist

A highly prestigious merit award given to roughly 1% of high school students in the nation out of the approximately 1.5 million students who take the PSAT. Students who receive this award place well within the 99th percentile on the PSAT as well as accumulating strong academic histories.

PROJECTS

Battleship

This game allows a user to play individually against a computer, or for two users to play against each other, either on the same machine or on different machines through networked interactions. To make this game, I wrote over 3600 lines of code and used important concepts such as networking, multithreading, and GUIs.

Poker Island (with Utkash Dubey, Henry Mann, Emile Indik, and Noel Trivedi)

In 6700 lines of Java code we provide a fully functional and immersive poker game experience that allows multiple users to play against each other from separate computers. We created a responsive, rich graphical game experience, use combinatorics to optimize hand calculations, store hand histories, and allow for different gameplay functionalities.

MoneySmart (with William Lin)

MoneySmart is an interactive web application made during the 35-hour USC Hackathon HackSC (Spring 2014). MoneySmart provides interactive retirement and savings calculators and predictive models for users. We built this from scratch using HTML, CSS, JavaScript, and ChartJS.